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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Shigeru Akasofu
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	09857/0203535-US0

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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/RC/	CA	International Search Report for PCT/JP2004/008669 mailed September 21, 2004.	
/RC/	CB	XU, A. Jing et al., "Effect of 3-[1-(phenylmethyl)-4-piperidinyl]-1-(2,3,4,5-tetrahydro-1H-1-benzazepin-8-yl)-1-propanone fumarate, a novel acetylcholinesterase inhibitor, on spatial cognitive impairment induced by chronic cerebral hypoperfusion in rats", Neuroscience Letters 331 (2002) pp.33-36.	

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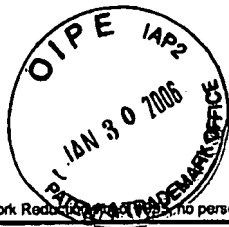
Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/560,179
				Filing Date	December 9, 2005
				First Named Inventor	Shigeru Akasofu
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
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/RC/	CA	"Protective effect of donepezil in a primary culture of rat cortical neurons exposed to oxygen-glucose deprivation", AKASOFU et al., European Journal of Pharmacology 472 (2003) pp. 57-63.				
/RC/	CB	"Huperzine B, a novel acetylcholinesterase inhibitor, attenuates hydrogen peroxide induced injury in PC12 cells", ZHANG et al., Neuroscience Letters 292 (2000), pp. 41-44.				
/RC/	CC	"Huperzine A and donepezil protect rat pheochromocytoma cells against oxygen-glucose deprivation", ZHOU et al., Neuroscience Letters 306 (2001) pp. 53-56.				
/RC/	CD	"Acetylcholinesterase Promotes the Aggregation of Amyloid- β -Peptide Fragments by Forming a Complex with the Growing Fibrils", ALVAREZ et al., J. Mol. Biol. (1997) 272, pp. 348-361.				
/RC/	CE	" β -Amyloid aggregation induced by human acetylcholinesterase: inhibition studies", BARTOLINI et al., Biochemical Pharmacology 65 (2003), pp. 407-416.				
/RC/	CF	"Increased expression of intranuclear AChE involved in apoptosis of SK-N-SH cells", YANG et al., Neuroscience Research 42 (2002), pp. 261-268.				
/RC/	CG	"Cerebro-protective effects of ENA713, a novel acetylcholinesterase inhibitor, in closed head injury in the rat", CHEN et al., Brain Research 784 (1998), pp. 18-24.				
/RC/	CH	"Protection against ischemic injury in primary cultured astrocytes of mouse cerebral cortex by bis(7)-tacrine, a novel anti-Alzheimer's agent", HAN et al., Neuroscience Letters 288 (2000), pp. 95-98.				
/RC/	CI	"Tacrine and donepezil attenuate the neurotoxic effect of A β (25-35) in rat PC12 cells", SVENSSON et al., NeuroReport 9, 1519-1522 (1998), pp. 1519-1522.				
/RC/	CJ	"Nicotinic Acetylcholine Receptor-Mediated Neuroprotection by Donepezil Against Glutamate Neurotoxicity in Rat Cortical Neurons", TAKADA et al., The Journal of Pharmacology and Experimental Therapeutic, Vol. 306, No. 2, 2003, pp. 772-777.				
/RC/	CK	"Randomized, Placebo-Controlled Trial of the Effects of Donepezil on Neuronal Markers and Hippocampal Volumes in Alzheimer's Disease", KRISHNAN, et al., Am. J. Psychiatry 2003, 160, pp. 2003-2011.				
/RC/	CL	"3-(40[(Benzyl(methyl)amino)methyl]-phenyl)-6, 7-dimethoxy-2H-2-chromenone (AP2238) Inhibits Both Acetylcholinesterase and Acetylcholinesterase-Induced β -Amyloid Aggregation:				
Examiner Signature	/Renee Claytor/			Date Considered	06/21/2007	



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				Attorney Docket Number	09857/0203535-USO
Sheet	2	of	2		

		A Dual Function Lead for Alzheimer's Disease Therapy", PIAZZI et al., J. Med. Chem. 2003, 46, pp. 2279-2282.	
/RC/	CM	"Stable Complexes Involving Acetylcholinesterase and Amyloid- β Peptide Change the Biochemical Properties of the Enzyme and Increase the Neurotoxicity of Alzheimer's Fibrils", ALVAREZ et al., The Journal of Neuroscience, May 1, 1998, 18(9), pp. 3213-3223.	
/RC/	CN	"Acetylcholinesterase induces neuronal cell loss, astrocyte hypertrophy and behavioral deficits in mammalian hippocampus", CHACON et al., Journal of Neurochemistry, 2003, 87, pp. 195-204.	
/RC/	CO	"Antisense oligonucleotide inhibition of acetylcholinesterase gene expression induces progenitor cell expansion and suppresses hematopoietic apoptosis, <i>ex vivo</i> ", SOREQ et al., Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 7907-7911, August 1994.	
/RC/	CP	"Induction of acetylcholinesterase expression during apoptosis in various cell types", ZHANG et al., Cell Death and Differentiation (2002) 9, pp. 790-800.	
/RC/	CQ	"Huperzine A attenuates hydrogen peroxide-induced apoptosis by regulating expression of apoptosis-related genes in rat PC12 cells", WANG et al., Neuropharmacology and Neurotoxicology, Vol. 12, No. 12, August 28, 2001, pp. 2629-2634.	
/RC/	CR	"Use of Donepezil for Vascular Dementia: Preliminary Clinical Experience", MENDEZ et al., Clinical and Research Report, J. Neuropsychiatry Clin Neurosci 11: 2, Spring 1999, pp. 268-270.	

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